**Harini Shanmugam**

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EDUCATION

**The University of Texas at Austin** **Austin, TX**

*Bachelor of Science, Mathematics (GPA:3.5) May 2023*

* Certificate in Applied Statistical Modeling, Minor in Business
* Relevant Coursework: Discrete Math, Linear Algebra, Algebraic Structures, Probability, Predictive Analytics, Applied Statistics (R Programming), Elements of Data Science (R Programming), Elements of Computing (Python), Foundations of IT and Management (Excel), Management, Marketing

WORK EXPERIENCE

**Dell Technologies** **Round Rock, TX**

*Product Management Intern**June 2022 - Aug 2022*

* Analyzed the accuracy of shipping and delivery date estimates given to customers for Dell monitors in the Frictionless Supply Chain sector
* Identified causes for standard shipping orders arriving 1-7 days earlier than communicated by investigating differences in estimates by fulfilment centers, by carriers, and by shipping service level using Excel and PowerBI
* Discovered delivery date estimates included a 2-day buffer for weekend in-operation despite the main carrier operating 7 days a week, requiring zero weekend buffer in estimates
* Created a new database of estimated logistics times from each fulfilment center to every zip code based on historical performance using PowerBI
* Using historical data and discounting the buffer for weekends, standard ground delivery estimates would improve by 33%

**Dr. Sathasivan Research Lab Austin, TX**

*Research Assistant Jan 2022 - Present*

* Investigate the correlation between learning methods and learning outcomes in the COVID-19 era of undergraduate education at UT Austin by creating and conducting surveys and analyzing quantitative survey results using R programming

LEADERSHIP EXPERIENCE

**First-Year Interest Group**  **Austin, TX**

*Mentor Aug 2020 - Present*

* Plan and lead weekly seminars and organize educational and social activities to help first-year students become better acquainted with the UT community
* Facilitate student development and a smooth transition from high school to college for 100 students through one-on-one mentoring

**Hum A Cappella** **Austin, TX**

*Social Media Manager Sep 2019 – Jan 2022*

* Arranged South Asian-Western fusion music to perform at community events and compete with at national a cappella competitions
* Created and managed team website and all social media content and communications
* Used Facebook and Instagram to raise over $2000 in donations for The Bail Project with 100% of donations matched by VMware

SKILLS & INTERESTS

**Skills:** Power BI, SharePoint, R, Python, SQL, LaTeX, Qualtrics, Microsoft Office (Word, PowerPoint, Excel, Outlook)

**Interests:** Silambam (martial art), Singing, Linguistics

**Languages:** Tamil (Fluent), Korean (Intermediate), French (Intermediate)

**Volunteering:** Judge for Massachusetts Speech & Debate League, Teacher’s Assistant at Austin Tamil School